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FACULTY AND CLASS REPRESENTATIVES

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B. L. MEREDITH, Senior
H. G. SMITH, Junior
H. M. TAYLOR, Sophomore
C. L. IVES, Freshman

The many and various attractions in technical lines are rapidly depleting the colleges all over the country of students in engineering courses. The financial inducements offered to technically trained men are greater than ever before in the history of our industries, as the present supply of these men is far below the great demand for them. As the years go on this will be even more marked unless our colleges keep pace with the ever-widening and growing industrial life of the nation.

The serious point is that not only graduate students, but upper class students are leaving college for positions in plants and laboratories where their training assures them of god pay and rapid promotion. The more serious point, however, is that indications point to the fact that not only Seniors, but Juniors, and even Sophomores will steadily leave for these same plants and laboratories where young men with any technical training whatever are urgently needed.

It is therefore necessary that the colleges fill the ranks of their first and second year Engineering courses to the limit with men who will go out in the years to come and fill the places awaiting technically trained men—not only waiting for these men, but sending out urgent calls for them.

The long training period required for the efficient man in an Engineering course makes it further necessary that a large number of young men must begin their training at once in order to be fitted in the best possible manner and play their part in the great reconstruction of this nation and the world at large after the war. The next generation of college men will be called on as much as any one else to do their part in this great upheaval. They are the men who will perform the good work of our industries along all lines.

Efficient men are needed in every line of engineering work. It is useless to say that the college man with a training in an Engineering course will be the most effective man to take the places along the lines where educated men are so necessary.

Young and capable men are needed to train the men of the next generation and those can only come from college-trained men.

Pure science, as well as industry, must be kept going as it is now. This will be impossible unless men who shall have had their regular college course and some years additional graduate work are to begin at once those courses which lead to this most fascinating field.

No field offers so many opportunities for advancement and real constructive work as chemistry. The chemical engineer has problems to solve which cover almost all the industries, and the pure science has unlimited fields of endeavor which have a scope that knows no bounds.

It is necessary that the chemical engineering departments in all our colleges be filled with young men who are eager to prepare themselves for the great struggle of continuing our enormous industrial and scientific development at its present rapid pace.

A PLEA FOR THE DIRECTORY

In this time of unsettled conditions it is impossible for us to publish a reliable directory without the aid and the coöperation of each and every alumnus. Last December return post cards (191) were sent to every alumnus asking for his address and information concerning himself. Less than 50 per cent of these cards were returned. Is it any trouble to fill out one of these cards and drop it

in the mail box? Cards will soon be sent out again, and please don't throw them in the waste basket, but fill them out and return to us. Look through the directory, see if your address and the addresses of any whom you may know are correct. If they are not, please send us a card with the correct address and occupation on it. When you change your occupation or address let us know about it, as we wish to keep the directory as up-to-date as possible, and as we also wish each of you to receive copies of the CHEMIST regularly.

WITH OUR MEN IN THE SERVICE

The Carolina Chemistry Department boasts of twenty-one men in the service, seventeen in the Army and four in the Navy. Carolina also has many others who are doing their bit by serving on various boards and at the American University.

Out of those in the service there are seven men who are either in France or are on their way. They are Lt. Risden T. Allen, of the 10th Engineers, Forestry; Lt. L. DeK. Bilden, Evacuation Ambulance Co. No. 2; Captain Geo. F. Catlett, J. G. Johnson; Captain Reston Stevenson, Sanitary Corps; and N. A. Reasoner, Signal Corps.; Lt. R. B. Hall, Chemical Service Section.

Our honor roll consists of:

Lt. Risden T. Allen, U. S. A., 10th Engineers.
D. M. Carroll, Aviation Corps, U. S. A.
Lt. Victor A. Coulter, Sanitary Corps.
Lt. C. R. Cowell, U. S. A.
L. J. Farmer, U. S. A.
G. N. Graham, U. S. A., Aviation Corps.
Wm. H. Harrell, U. S. Naval Reserves, Medical Corps.
R. B. Isley, Aviation Corps, U. S. A.
R. L. Hunter, U. S. N. R. F.
J. G. Johnson, Sanitary Corps, U. S. A.
Lt. O. K. Merritt, F. A. O. R. C., U. S. A.
Ralph H. Rimmer, M. M. I. C., U. S. N. R. F.
N. A. Reasoner, Signal Corps, U. S. A.
J P Sawyer, M. M. I. C., U. S. N. R. F.

Lt. R. W. Sparger, F. A., U. S. A.
Capt. Reston Stevenson, Sanitary Corps, U. S. A.
L. A. Thorpe, U. S. A.
Capt. F. R. Weaver, Ordnance Dept., U. S. A.
Lt. L. DeK. Belden, Evacuation Ambulance Co., No. 2, U. S. A.
Lt. R. B. Hall, U. S. A., Chem. Service Section.
Lt. H. B. Ingram, 321st Infantry, U. S. A.

RESEARCH DURING 1917-'18

C. H. Herty, Jr., R. H. Rimmer, and J P Sawyer, in collaboration with Dr. Bell, have been working on a melting-point diagram for the mixture of three nitro-toluol: para nitro-toluol, 2, 4 di-nitro-toluol, and 2, 4, 6 tri-nitro toluol. The diagram will be completed this term. This problem was suggested to Dr. Bell by manufacturers of dyes and munitions, being of great importance to both industries.

Dr. Bell has been lately analyzing Molybdenum and Tungsten ores for the Bureau of Standards.

I. V. Giles has been busy on possible chromates of Zirconium. A saturated solution of chromic acid with Zirconium hydroxide, after being treated and diluted, gives a yellow precipitate, the analysis of which will soon be completed.

I. W. Smithey, also working on zirconium perchlorate under direction of Dr. Venable, has found some interesting facts in regard to the same. The perchlorate is deliquescent, soluble in water and in all common organic solvents; on being heated before all the water is driven off, it decomposes, giving off hydrochloric acid and hypocholorous acid, and at 200 degrees it has nearly all been changed into zirconium oxide, ZrO_2.

B. L. Meredith has been carrying out the separation of di-nitro naphthalenes. In nitration of naphthalene there are mainly formed two di-nitro naphthalenes and one tri-nitro naphthalene. All attempts to separate these by solvents were unsatisfactory, but with superheated steam it was discovered that the 1.5 di-nitro is volatile and by this means a rapid separation is effected.

J. W. Scott, also in collaboration with Dr. Wheeler, has been studying the Halogenation of Juglon. Thus far seven Bromine derivatives, including mono-, di, and tri-brom Juglon, have been prepared. Also one chlorine derivative, Di-chlor Juglon.

To increase the supply of toluol for the manufacture of TNT, the high explosive, the reaction of cymol from spruce turpentine on benzol in the presence of aluminium chloride is being studied by Dr. Wheeler and E. P. Wood. The work so far has been confined to cymol not completely purified. Toluol and cymol have been obtained and pure TNT has been made from the toluol. The cymol is oxidized to benzoic acid, and thus toluol for making benzoic acid may be saved. The reaction between cymol and benzol under many variations of conditions is actively under way. A vast quantity of spruce turpentine at the paper mills is going to waste, and as this is sometimes 90% cymol, it is clear that a valuable product is being thrown away.

TELL US WHERE THEY ARE

We have been unable to locate the following men. Mail addressed to them has been returned unclaimed. If you know of the whereabouts of any of them, please drop us a card:

Asbury, J. J., '00; Bohannon, E. F., '04; Burns, R. C., '07; Conroy, F. D., '14; Daniels, V. C., '04; Flume, A. J., '14; Henderson, J., '02; Heord, W. O., '03; Irwin, J. P., '04; Kelly, B. W., Klugh, B. G., '01; Lichtenthaller, R. A., '02; Miller, C. L., '00; Miller, F. W., '98; Moses, A. F., '97; Prior, W. S., Jr., '02; Willard, C. W., '11; Sloan, C. H., '06.

ALUMNI NOTES

Do you know anything of interest about yourself or some one else? If so, write us about it in order that we may keep this department full each issue.

Paul R. Bryan announces the arrival of Paul R. Bryan, Jr., on the 5th of December, 1917.

V. C. Edwards announces the birth of Lillian McGregor on December 23, 1917.

Frank B. Dancy, Sr., Baltimore, Md., reports all three of his sons in the service.

Robert L. Hunter is in the Meteorologist Class, U. S. N. R. F., at the U. S. Naval Training Station, Pelham Park, N. Y.

Lieutenant Risden T. Allen has been in active service since October, 1917, and is now in France.

Ralph H. Rimmer is in the Naval Reserve, and is stationed at the Naval Proving Ground, Indian Head, Md., as a chemist.

J P Sawyer is also at Indian Head in the same capacity.

THE LIBRARY

Fruitful indeed have been the efforts of Dr. Bell to make our Chemical Library permanent. In the January, 1918, issue of the CAROLINA CHEMIST was published a list of the journals which were in the library only on deposit. All of these, excepting the *American Chemical Journal,* have been purchased outright. In the same issue it was mentioned that a purchase was pending on Vols. 21-102 (1868-1912) of the Chemical Society of London. Since then the deal has been closed and the volumes are now resting in the Library.

In connection with the library, we wish to thank O. K. Merritt, '17, for his gift of the 1917 volumes and the January and February, 1918, numbers of the three *American Chemical Society Journals.* The sale of these enabled us to purchase the Annual Reports of the Chemical Society for 1904-1915, inclusive.

THE JOURNAL CLUB

Since the last issue of the CAROLINA CHEMIST we have held five interesting meetings of the Journal Club, all of which have been discussions of the war exigencies.

The first one, in February, was a "Symposium on Potash from Greensand." Mr. Smithey took up the discussion from the Mineralogical standpoint; he was followed by Mr. Neiman on the "Occurrence of the Deposits"; Messrs. Murray and Meredith closed the discussion with an exposition of the methods of analysis and the "Recovery of the Potash."

On February 25th Dr. Wheeler presided. His first speaker was E. O. Cummings on "Airplane Dopes." Then the "Production of Toluol" was made the subject of two interesting talks by T. P. Dawson and W. B. Richardson.

At the meeting of March 12th Mr. Smithey discoursed on "Uses of Nitre Cake," followed by J P Sawyer on the "Manufacture of Laboratory Porcelain" and W. Z. Penland on the "Extraction of Phosphates by the Electric Furnace Smelting."

Titanium was the subject under consideration on March 26th. The utilization of its compounds was set forth by R. H. Sawyer, its use in the Iron Ore Industry was presented by P. O. Jarvis, and its occurrence in North Carolina was brought out by H. G. Smith.

Our last meeting, on April 16th, was a very interesting one, having to do with the Vulcanization of Rubber. The various theories as to the compound formed from the rubber on Vulcanization were discussed by Blackwell Markham and Ernest Neiman. Finally J. W. Scott broke away and told us about the relation of Ceramics to the war, and what an important part this industry plays in our big struggle.

ALPHA CHI SIGMA

A X Σ has taken a new step in its Carolina life. The long-coveted but hopelessly striven for object has at last been attained. We have a chapter house, and it's A No. 1, too.

Five brothers are rooming there now, but we hope to have it filled next fall if everybody doesn't go in for kaiser-terminology during the summer.

We were very unfortunate in losing four of our members this spring. Ralph Rimmer and J P Sawyer, two of our Seniors, have enlisted in the Naval Reserves and are now first-class machinist's mates at the Naval Proving Grounds, Indian Head, Md.

A short while after their arrival, Ralph's head was the unhappy recipient of a workman's careless use of conc. H_2SO_4. JP tells us that now Ralph, with his head bandaged up, is a hero whenever he goes in Washington.

Grier Marsh, our post graduate, has been called to Washington to do chemical work.

Pat Henry, our youngest member, found it necessary to withdraw from college on account of sickness.

During the past two weeks we have been quite favored with talks by the faculty at the chapter house. Dr. Venable told us of his student life in Germany. Dr. Wheeler spoke about his studies in Europe, and Dr. Bell told us about the inside workings at Washington. And now, with exams. but two weeks away, the usually lively chapter house is taking on a more serious mein and A X Σ's embryo chemists are getting ready for the last lap; some of them never to return again. But wherever the wearers of the Hexagon are next year—in laboratories, in the trenches—they carry with them the satisfaction of knowing that the present chapter has done its share in bringing A X Σ to the forefront, and we leave her thus.

THE CHEMIST IN LOVE

I am a group of atoms, dear,
  Which isn't near complete;
I'm so unstable that I fear
  In love I'll meet defeat.
So great is the affinity
  Between us, I confess,
I simply can't contain myself,
  And I almost effervesce.
Your eyes are carbon crystals, Love,
  That scintillate and see;
If they should ever deliquesce
  I'd not unhappy be.
If you were hydrogen, my dear,
  Then sulfur would I be,
And Cupid were the catalyst,
  The compound we would be.
Whoever then dared cross our paths
  Would meet an awful fate:
He wouldn't even dare resist,
  But would precipitate.

HEXAGON.

DIRECTORY OF THE GRADUATES OF THE DEPARTMENT OF CHEMISTRY OF THE UNIVERSITY OF NORTH CAROLINA

The names in this directory marked with an asterisk (*) are those who returned the directory information card, thus giving us authoritative information regarding their work and address. The names marked with a dagger (†) are those who could not be located by the postal officials, and consequently their cards were returned to us unclaimed. The address given in these cases is the last one that we have. As for all the other names and addresses in the directory, we know from reliable information that most of them are correct, and probably all are, inasmuch as the postoffice officials did not return the directory information card undelivered. Any corrections, additional names and addresses, and suggestions will be gladly received by the editors.

Allen, Miss Daisy, '07.....Raleigh, N. C.
State Laboratories.

Allen, W. M., '93.....526 North Wilmington St., Raleigh, N. C.
State Food and Oil Chemist.

*Allen, Lt. R. T., M.S., '08.....Am. Exp. Forces, France, via New York
1st Lieut. Co. 10th Engineers, Forestry.

*Andrews, T. M., M.S. '17.....811 N. Adams St., Wilmington, Del.
Chemist, Dupont Powder Company.

†Asbury, J. J., '00.....Birmingham, Ala.
Tennessee Coal and Iron Company.

Baskerville, Charles, Ph.D., '94.....14th St. and Convent Ave., N. Y.
Head of the Department of Chemistry, College of the City of New York.

Battle, H. B., Ph.D. '87.....103 Court Street, Montgomery, Ala.
Battle Laboratory.

*Bagwell, J. Ed., '13.....Henderson, N. C.
Receiving Clerk, Henderson Cotton Mills.

*Beldon, A. W., '97.....Woodlawn, Pa.
Supt. Coke Oven Dept., Jones & Laughlin Steel Company.

*Belden, L. DeK., '10.....Am. Exp. Forces, France via New York
1st Lieutenant Evacuation Ambulance Co., No. 2.

Bennett, H. H., '03.....Washington, D. C.
Bureau of Soils.

†Bohannon, E. F., '04.....Winston-Salem, N. C., or Atlanta, Ga.

Boyst, W. M. .....Greensboro, N. C.
Gate City Candy Company.

†Bransford, Charles, '06.....Gadsden, Ala.
Gulf States Steel Company.

Brinkley, L. L., '07.....Raleigh, N. C.
State Soil Survey.

*Bryan, Paul R., '13.....Cor. Wilson and Mills Ave., Clairton, Pa.
Chemical Engineer, Supt. Naphthalene Refining Co., Carnegie Steel Company.

Burns, R. C., '07.....Allens Creek, Tenn.
Bon Air Coal and Iron Company.

Carrol, D. M., Student, '15-'18...A. G. O., War Dept., Washington, D. C.
Aviation Corps, U. S. A.

*Carter, C. B., Ph.D., '16.....Pittsburg, Pa.
Fellow in Mellon Institute.

*Catlett, G. F., '03.....American Exp. Forces, Military P. O. 706.
Captain, U. S. A.

Cauble, D. Z., '00.....1501 13th Ave., South Birmingham, Ala.
Salesman, Industrial Loan and Savings Company.

Chadbourn, G., '00.....Deceased.

*Clark, Rev. Thomas, '06.....6363 St. Charles Ave., New Orleans, La.
Professor of Chemistry, Loyola University.

Conroy, F. D., '14.....Baltimore, Md.
Medical Student, Johns Hopkins University.

*Coopersmith, S., '10.....Cleveland, Ohio
Saint Vincent's Charity Hospital.

*Coulter, Victor A., Ph.D., '16.....Home address, Newton, N. C.
1st Lieutenant Sanitary Corps, U. S. National Army.

Cowell, C. F., '12.....A. G. O., War Dept., Washington, D. C.
Lieutenant U. S. National Army.

*Cox, H. L., '14.....Dover, N. J.
Hercules Powder Company.

*Crooke, H. L., '17.....811 N. Adams St., Wilmington, Del.
Chemist, DuPont Powder Company.

*Dancy, F. B., '81.....922 St. Paul St., Baltimore, Md.
Retired Chemist and Manufacturer.

Daniels, V. C., '04.....Oriental, N. C.

Davis, R. O. E., Ph.D. '03.....Washington, D. C.
Bureau of Soils.

Dickson, W. S., '07.....Greensboro, N. C.
City Editor *Greensboro News*.

Dobbins, J. T., Ph.D. '14.....West Raleigh, N. C.
Associate Professor of Chemistry, A. and E. College.

Drane, F. P., 06.....Died 1918.

*Edwards, V. C., Ph.D. '15.....205 Dartmouth Ave., Swarthmore, Pa.
Research Chemist, E. I. duPont de Nemours Company.

*Farmer, L. J., '16.....Home address, Wilson, N. C.
United States National Army.

*Feild, Alex L., '11.....2403 Washington Boulevard, Chicago, Ill.
Advising and Consulting Engineer.

Flume, A. J., '14.....47 Lyceum St., Geneva, N. Y.
New York Experiment Station.

Foust, Thomas B., '03.....Clarksville, Tenn.
Operating Clarksville Foundry and Machine Works.

Glenn, M. R., '13.....Deceased.

*Graham, Gregory N., Student, '14-'17...A. G. O., War Dept., Washington, D. C.
Aviation Corps.

Graham, J. O., A.M. '13.....Lebanon, Tenn.
Professor of Chemistry, Cumberland University.

Graham, N. R., '04.....Died 1914.

Gudger, H. C., Student '14-'16.....Asheville, N. C.

*Hall, R. B., Lt. '11..Apt. 41, 3145 Mt. Pleasant St., Washington, D. C.
Chemical Service Section.

*Hall, L. C., '16.....National City, Col.
Chemist, Hercules Powder Company.

Hardison, R. B., '07.....Washington, D. C.
Bureau of Soils.

*Harrell, William H. .....3728 Walnut St., Philadelphia, Pa.
Medical Student at University of Pennsylvania.

Harris, I. F. .....233 Harrison Ave., New Brunswick, N. J.
Research Chemist, E. R. Squibb & Sons.

Harris, J. R., '89.....1230 S. 17th St., Birmingham, Ala.
Chief Chemist, T. C. I. and R. R. Co., Ensley, Ala.

Harris, Stanford, '97.....Deceased.

*Hart, E. B., '13.....Raleigh, N. C.
Department of Agriculture.

*Haywood, W. G., '98.....Raleigh, N. C.
Fertilizer Chemist, Department of Agriculture.

Heide, S. S., '04.....Box 327, Ensley, Ala.
Assistant Chief Chemist, T. C. I. and R. R. Company.

Henderson, J., '02.....East Pittsburg, Pa.
Electrical Engineer.

*Henderson, John L., P.D. '15.....Burlington, N. C.
Manager City Drug Company.

Henry, R., '06.....Richmond, Va.
Virginia-Carolina Chemical Company.

Heard, W. O. .....La Fayette Bldg., Philadelphia, Pa.

*Hill, Hampden, '07.....Bayonne, N. J.
Research Chemist, Texas Company.

*Hill, Hubert, M.S. '08.....Morgantown, West Va.
Assistant Professor Chemistry, West Va. University.

*Hoke, C. B., '13.....53 New St., Dover, N. J.
Assistant Chemist, Hercules Powder Company.

*Holland, W. R., '03.....919 Monmouth St., Gloucester City, N. J.
Welsbach Company.

*Horsfield, B. T., '17.....Nashville, Tenn.
Tennessee Chemical Company.

Houck, W. A., '09.....Statesville, N. C.

Hoyle, A. H., '06.....2122 Ave. H. Ensley, Ala.
Steam Engineer T. C. I. and R. R. Co.

*Hunter, R. L., '11.....c/o H. B. Hunter Company, Norfolk, Va.
Meteorologist Class, U. S. N. R. F.

Hunter, W. S., '07.....Ensley, Ala.
T. C. I. and R. R. Co.

*Ingram, Hal. B., Lt. '16.....Camp Jackson, S. C.
Lieutenant 321 Infantry.

Isley, R. B., '17.....Adjt. Genl's Office, War Dept., Washington, D. C.
Aviation Corps.

†Irvin, J. P., '04.....Hopewell, Va.
Chemist, DuPont Company.

Jackson, J. Q., '08.....Raleigh, N. C.
Department of Agriculture.

Jeffries, W. L., Ph.D. .....Died 1917.

*John, J. G., Student '14-'16.....A. G. O., War Dept., Washington, D. C.
United States Army.

Johnston, G. A., '04.....Chapel Hill, N. C.
Farming.

*Jordan, Strowd, Ph.D. '09.....544-60 Park Ave., Brooklyn, N. Y.
Research Chemist, American Tobacco Company.

Kelly, B. W. .....Birmingham, Ala.
Chemist, T. C. I. and R. R. Co.

*Kelly, F. G., '00.....Ensley, Ala.
Chemist, T. C. I. and R. R. Co.

*Kenan, William R., Jr., '94.....433 Locust St., Lockport, N. Y.
Mfr., R. R. Executive, Director Public Utilities Company.

*Killifer, D. H., '15.....Nashville, Tenn.
Chemist, Nashville, Chattanooga and St. Louis Railway.

King, R. N., '00.....Thomas, Ala.
Republic Iron and Steel Company.

Klugh, B. G., '01.....1112 Pike St., Seattle, Washington.

Kluttz, Warren, '99.....Sheffield, Ala.
Vice-President and General Manager Central Iron and Coal Co.

*Knight, B. H., M.S., '13....50 E. 41 St., Room 90, Chemists Club Building, New York.
Assistant to Analytical and Consulting Chemist, Dr. P. C. McIlhenney.

Lemly, F. H., '02...U. S. S. *Von Steuben*, Navy Yard, Philadelphia, Pa.

†Leonard, G. F., '07, 63 Fifth Ave., Highland Park, New Brunswick, N. J.
Bacteriologist, C. R. Squibb & Sons.

†Litchtenthaller, R. A., '02.....Box 112, Kingston, R. I.
Rhode Island Agricultural Experiment Station.

*Lockhart, L. B., '04.....33½ Auburn Ave., Atlanta, Ga.
Lockhart Laboratories.

MacNider, G. M., '05.....Died 1917.

*McRae, Duncan, '09.....27 Delaware Ave., Bloomfield, N. J.
Chief Chemist, Westinghouse Lamp Company.

*Manning, I. H. .....Chapel Hill, N. C.
Dean of the School of Medicine, U. N. C.

*Marriott, W. McKim.....St. Louis, Mo.
Professor of Diseases of Children, Wash. Univ. Medical School.

*Merritt, Oscar K., Lt. '17.....Camp Logan, Houston, Tex.
1st Lt. F. A. O. R. C., Battery D, 78th Field Artillery.

†Miller, C. L., '00.....Birmingham, Ala.
Cheffeild Coal and Iron Company.

Miller, C. W., '05.....Deceased.

Miller, F. W., '98.....Holt, Ala.
Alabama Coal, Iron and Coke Company.

Mills, J. E., Ph.D. '01.....Columbia, S. C.
Professor of Chemistry, U. S. C.

†Moses, A. F., '97.....LaGrange, Ga.

*Moss, E. G., '02.....Oxford, N. C.
Department of Agriculture.

Marsh, L. G., '17.....3034 Cambridge St., Washington, D. C.
Gas Chemist, Bureau of Mines.

Nash, T. P., '10.....Memphis, Tenn.
Instructor of Chemistry in Medical College.

Oates, W. M., '09.....Died 1918.

Oldham, W. H., '05.....Ensley, Ala.
T. C. I. and R. R. Co.; Supt. of F. Furnaces.

Orr, M., '08.....Charlotte, N. C.
Automobile business.

Paddison, George L., '05.....Home address, Burgaw, N. C.
Salesman, West Publishing Company.

Perry, R. W., '05.....c/o Gunn's Ltd., West Toronta, Ontario, Canada.
Technical Superintendent, Gunn's Ltd.

Phillips, William B., Ph.D. '77.....Houston, Tex.
Mining Engineer, Specialty Oil and Gas.

*Pickett, O. A., '16.....76 Morris St., Dover, N. J.
Chemist, Hercules Chemical Company.

Pogue, J. E., S.M. '07.....University Club, Evanstown, Ill.
Geologist, Northwestern University.

Prior, W. S., '02.....Ensley, Ala.

*Pritchard, W. N., Jr., '15.....4411 Washington Ave., St. Louis, Mo.
Cotton Inspector for DuPont Co. at River Spinning Co.

Rawlings, L. D., '16.....Wilson, N. C.
Asst. Manager and Secretary Wilson Ice and Fuel Company.

Rimmer, Ralph H., M.M.I.C. '18....Naval Barracks, Indian Head, Md.
Chemist, U. S. N. Reserves.

Reasoner, N. A., '17.....A. G. O., War Dept., Washington, D. C.
Signal Corps, U. S. A.
*Rhodes, LeLand B., '13.....Raleigh, N. C.
Department of Agriculture.
*Roberts, J. C., '84.....Golden, Col.
Professor in Colorado School of Mines.
Root, A. S., '01.....Raleigh, N. C.
Rudisill, W. A., S.M. '14.....Greenville, Pa.
Professor of Science in Thiel College.
*Sawyer, J P, M.M.I.C. '18.....Naval Barracks, Indian Head, Md.
Chemist, U. S. N. Reserves.
Sifford, Ernest, '05.....El Dorado, N. C.
Manager of Rich-Cog. Mining Company.
*Skinner, J. J., '03.....7217 Blair Road N. W., Washington, D. C.
Ph.D. Am. Univ., June, 1917. Biochemist, U. S. Dept. of Agr.
Sloan, C. H., '06.....Thomas, Ala.
Republic Iron Works.
†Smith, W. A., '09.....Adjt. Genl's Office, War Dept. Washington, D. C.
United States Army.
*Southland, L. G., '09.....Union, S. C.
Lawyer.
*Sparger, R. W., '11.....Camp Jackson, S. C.
Lieutenant 318 F. A., U. S. Army.
Stacey, L. E., A.M. '09.....North Wilkesboro, N. C.
Chemist, Smoot Tanning Company.
Stem, F. B., '07..... .....Guantanamo, Cuba.
Chemist, Guantanamo Sugar Company.
*Stevenson, Reston, Capt., '02.....A. E. F., France, via New York.
Captain Sanitary Corps, U. S National Army.
Strowd, W. H., '09.....Madison, Wis.
Head of Feed and Fertilizer Control for the State.
*Struthers, J. A., '14.....15 Hoogland, Dover, N. J.
Chemist, Hercules Powder Company.
Tennent, G. R., '17.....James River Y. M. C. A., Hopewell, Va.
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Williard, C. W., '11.....Winston-Salem, N. C.
*Whitaker, Spier, '02.....Dead

FROM A FRESHMAN'S SCRAPBOOK

Chlorine has a great affection for hydrogen.

The calory was an instrument used for measuring the weight of a liter of oxygen, and kept in Paris.

An hypothesis is a young theory.

A neutral reaction is one in which there is no reaction.

An example of an indicator is the 2, as in H_2O, i. e., it indicates how much H.

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